

--CROSS-REFERENCE TO RELATED APPLICATIONS

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This is a continuation of United States patent application serial no. 08/890,294, filed July 9, 1997, issued _____ as United States patent no. _____, which was a file wrapper continuation application of United States patent application serial no. 08/581,437, filed December 29, 1995, now abandoned. A second continuation of United States patent application serial no. 08/890,294 titled "Method and Apparatus for Interacting With a Computer Using A Plurality of Individual Handheld Objects" has been filed concurrently herewith.--

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Please amend the claims as follows:

1-3
Cancel claims ~~1-16~~.

Add the following new claims:

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Rule 126
17. 4.
An object recognition system, comprising:
a plurality of hand-held objects; and
a device including a microprocessor for prompting selection of a particular hand-held object of said plurality of hand-held objects, for identifying a selected hand-held object of said plurality of hand-held objects, and for providing feedback based on said selected hand-held object.

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5.
18. An object recognition system as recited in claim ~~17~~ *4.*, further comprising a platform for receiving said selected hand-held object, and for communicating a signal to said device representative of said selected hand-held object located on said platform.

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6.
19. An object recognition system as recited in claim ~~17~~ *4.*, said feedback indicating a correct selection of objects where said selected hand-held object is the same as said

particular hand-held object.

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7.
20. An object recognition system as recited in claim ⁴~~17~~, said feedback indicating an incorrect selection of objects where said selected hand-held object is not the same as said particular hand-held object.

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8.
21. An object recognition system as recited in claim ⁴~~17~~, wherein each object of said plurality of objects includes an indicial mark on a surface of said object, and wherein said device prompts selection of an object including a particular indicial mark.

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9.
22. An object recognition system as recited in claim ⁸~~21~~ wherein said indicial mark comprises an alphanumeric character.

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10.
23. An object recognition system as recited in claim ⁸~~21~~ wherein said indicial mark comprises a braille character.

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11.
24. An object recognition system as recited in claim ⁵~~18~~, wherein said plurality of hand-held objects comprise a plurality of blocks, each block of said plurality of blocks including at least one alphanumeric character on a surface thereof, said device prompting selection of blocks including particular characters to be positioned on said platform in a particular order.

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12.
25. An object recognition system, comprising:
a plurality of hand-held objects;
a platform for supporting a hand-held object manually selected from said plurality

of hand-held objects for placement of said platform; and

a device including a microprocessor operatively connected to said platform for providing feedback based on said hand-held object manually selected for placement onto said platform.

¹³
~~26.~~ An object recognition system as recited in claim ¹²~~25~~, wherein each object of said plurality of hand-held objects includes an indicial mark on a surface of said object, and wherein said device prompts selection of an object including a particular indicial mark.

¹⁴
~~27.~~ An object recognition system as recited in claim ¹³~~26~~, wherein said indicial mark comprises an alphanumeric character.

¹⁵
~~28.~~ An object recognition system as recited in claim ¹³~~26~~, wherein said indicial mark comprises a braille character.

¹⁶
~~29.~~ An object recognition system for interacting with a computer, the system comprising:

a plurality of hand-held objects, each object of said plurality of objects including at least one indicial mark on a side of said object;

at least one emitter within each said object, said at least one emitter capable of actively emitting a first signal representative of said at least one indicial mark;

a platform for receiving a group of two or more objects manually selected from said plurality of objects, said platform capable of conveying at least a second signal representative of said indicial marks on said group of objects and a relative position of objects of said group on said platform; and

means for communicating said at least second signals to the computer.

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17.
30. An object recognition system for interacting with a computer as recited in claim ¹⁶29,
said group of objects being selected in response to prompting from the computer.

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18.
31. An object recognition system for interacting with a computer as recited in claim ¹⁶29,
wherein an indicial mark of said indicial marks comprises an alphanumeric character.

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19.
32. An object recognition system for interacting with a computer as recited in claim ¹⁶29,
wherein an indicial mark of said indicial marks comprises a braille character.

20.
33. An object recognition system for interacting with a computer as recited in claim ¹⁶29,
wherein said plurality of hand-held objects comprise objects having six substantially planar
surfaces.

21.
34. An object recognition system for interacting with a computer as recited in claim ¹⁶29,
wherein said plurality of hand-held objects comprise tiles.

22.
35. An object recognition system for interacting with a computer, the system
comprising:

a plurality of hand-held objects, each object of said plurality of objects including at
least one indicial mark;

at least one detector capable of detecting a first signal representative of said at least
one indicial mark;

a platform for receiving at least one object manually selected from said plurality of

objects in response to prompting from the computer, said platform capable of conveying at least a second signal representative of said indicial mark on said object; and
means for communicating said at least second signals to the computer.

23.
36. An object recognition system for interacting with a computer as recited in claim 35, wherein an indicial mark of said indicial marks comprises an alphanumeric character.

24.
37. An object recognition system for interacting with a computer as recited in claim 35, wherein an indicial mark of said indicial marks comprises a braille character.

25.
38. An object recognition system for interacting with a computer as recited in claim 35, wherein said plurality of hand-held objects comprise objects having six substantially planar surfaces.

26.
39. An object recognition system for interacting with a computer as recited in claim 35, wherein said plurality of hand-held objects comprise tiles.